

=> D L57 BIB ABS HITSTR

L57 ANSWER 1 OF 9 USPATFULL

AN 96:96773 USPATFULL

TI **Pest** controlling composition

IN Senbo, Satoshi, Takarazuka, Japan

PA Sumitomo Chemical Company, Limited, Osaka, Japan (non-U.S. corporation)

PI US 5567429 961022

AI US 94-360637 941221 (8)

PRAI JP 93-322151 931221

DT Utility

EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Howard, Sharon

LREP Cushman Darby & Cushman, L.L.P.

CLMN Number of Claims: 14

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 405

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a **pest** controlling composition containing as active ingredients at least one insect growth regulator and at least one N-aryldiazole compound selected from the group consisting of 4-(2-bromo-1,1,2,2-tetrafluoroethyl)-1-(3-chloro-5-trifluoromethylpyridine-2-yl)-2-methylimidazole, 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylsulfinylpyrazole and 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylthiopyrazole.

The **pest** controlling composition of the present invention shows very excellent **pest** controlling effect.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 166895-64-3 166895-65-4

(insecticidal compn.)

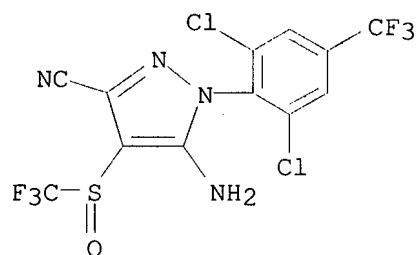
RN 166895-64-3 USPATFULL

CN Benzamide, 2,6-difluoro-N-[[[2-fluoro-4-(trifluoromethyl)phenyl]amino]carbonyl]-, mixt. with 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (9CI) (CA INDEX NAME)

CM 1

CRN 120068-37-3

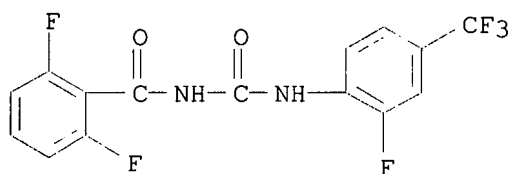
CMF C12 H4 C12 F6 N4 O S



CM 2

CRN 114973-14-7

CMF C15 H8 F6 N2 O2



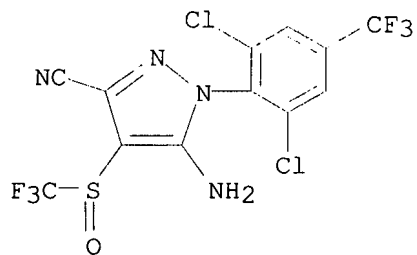
RN 166895-65-4 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-, mixt. with 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine (9CI) (CA INDEX NAME)

CM 1

CRN 120068-37-3

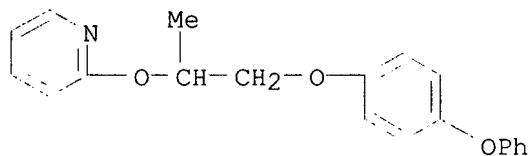
CMF C12 H4 Cl2 F6 N4 O S



CM 2

CRN 95737-68-1

CMF C20 H19 N O3

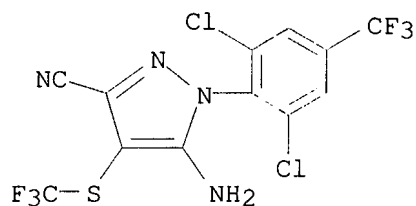


IT 120067-83-6D, mixts. with insect growth regulators

120068-37-3D, mixts. with insect growth regulators
(insecticidal compns.)

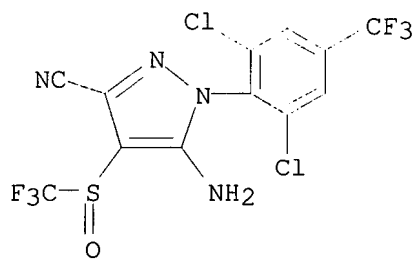
RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



RN 120068-37-3 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



=> D L57 BIB ABS HITSTR 2

L57 ANSWER 2 OF 9 USPATFULL

AN 96:85151 USPATFULL

TI Pesticidal 1-aryl-5-(substituted alkyl (thio) amido)pyrazoles

IN Huang, Jamin, Chapel Hill, NC, United States

Phillips, Jennifer L., Apex, NC, United States

PA Rhone-Poulenc Inc., Research Triangle Park, NC, United States
(U.S. corporation)

PI US 5556873 960917

AI US 93-169944 931220 (8)

RLI Continuation-in-part of Ser. No. US 93-21717, filed on 24 Feb
1993, now abandoned

DT Utility

EXNAM Primary Examiner: Ramsuer, Robert W.

LREP Burns, Doane, Swecker & Mathis, L.L.P.

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2514

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes novel 1-aryl-5-(substituted alkyl
(thio)amido)pyrazoles wherein preferred compounds are of the
formula ##STR1## wherein: R.sup.2 is R.sup.11 S(O).sub.n in which
n is 0, 1 or 2 and R.sup.11 is alkyl, preferably methyl; or
haloalkyl, preferably trihalomethyl or dihalomethyl; and in which
halo is F, Cl or Br or combinations thereof and most preferably
CF.sub.3, CCl.sub.3, CF.sub.2 Cl, CFCl.sub.2, CF.sub.2 Br,
CHF.sub.2, CHClF or CHCl.sub.2 ;

R.sub.4 is H or alkyl;

R.sub.5 is H or alkyl;

R.sup.4 and R.sup.5 could be together to form a 3-7 membered
cyclic ring system;

R.sub.6 is alkoxy, alkoxy(alkoxy).sub.b [b=1-2],
alkoxy(alkoxy).sub.b alkyl [b=0-2], alkylS(O).sub.c (c=0, 1, 2),
alkylS(O).sub.c alkyl [c=0, 1, 2], alkylC(O)--; phenoxy, phenyl
S(O).sub.c, phenylalkoxy, pyridyloxy, pyridyl S(O).sub.c,
optionally substituted with alkyl, halogen, alkoxy, haloalkyl,
haloalkoxy, nitro, cyano, alkylthio.

R.sup.5 and R.sub.6 could be together to form a 4-7 membered
cyclic ring with 1-2 heteroatoms (e.g. O, S, S(O), S(O).sub.2, NH,
N-alkyl);

R.sub.7 is: hydrogen; alkyl, preferably methyl; or halogen,
preferably F, Cl or Br;

R.sub.9 is: halogen, preferably F, Cl or Br; alkyl, preferably
methyl; haloalkyl, preferably trihalomethyl and more preferably
trifluoromethyl; or haloalkoxy, preferably trihalomethoxy and more
preferably trifluoromethoxy; and in which halo is F, Cl or Br or
combinations thereof; and

X is a nitrogen atom or C--R.^{sup.12} in which R.^{sup.12} is:
hydrogen; halogen, preferably F, Cl or Br; cyano; alkyl,
preferably methyl or ethyl; alkylthio, preferably methylthio or
ethylthio; or alkoxy, preferably methoxy or ethoxy and their use
as pesticides especially insecticides.

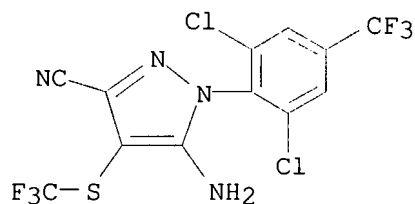
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 120067-83-6

(reaction with dimethylaminopyridine)

RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



=> D L57 BIB ABS HITSTR 3

L57 ANSWER 3 OF 9 USPATFULL

AN 94:95523 USPATFULL

TI Pesticidal 1-aryl-5-(substituted alkylideneimino)pyrazoles

IN Huang, Jamin, Chapel Hill, NC, United States

Ayad, Hafez M., Cary, NC, United States

Timmons, Philip R., Durham, NC, United States

PA Rhone-Poulenc AG Company, Research Triangle Park, NC, United States (U.S. corporation)

PI US 5360910 941101

AI US 92-842431 920304 (7)

RLI Continuation-in-part of Ser. No. US 91-790449, filed on 12 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. US 91-693580, filed on 30 Apr 1991, now patented, Pat. No. US 5236938

DT Utility

EXNAM Primary Examiner: Ivy, C. Warren; Assistant Examiner: Owens, A. A.

LREP Morgan & Finnegan

CLMN Number of Claims: 2

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2295

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes novel 1-aryl-5-(substituted alkylideneimino)pyrazoles of formula (I) ##STR1## wherein typically preferred substituents are: R.sup.1 is cyano, nitro, or halogen;

R.sup.2 is R.sup.9 S(O).sub.n in which n is 0, 1 or 2 and R.sup.9 is alkyl, preferably methyl which is substituted by halogen atoms which are the same or different up to full substitution of the alkyl moiety;

R.sup.3 is hydrogen or alkyl;

R.sup.4 is phenyl or heteroaryl, optionally substituted by one or more hydroxy, halogen, alkoxy, alkylthio, cyano or alkyl or combinations thereof; preferably R.sup.4 is phenyl, which is at least substituted by 3-hydroxy or 4-hydroxy;

R.sup.5 is hydrogen, alkyl or halogen;

R.sup.6 and R.sup.8 are hydrogen;

R.sup.7 is halogen, alkyl, haloalkyl or haloalkoxy; and

X is a nitrogen atom or CR.sup.14 in which R.sup.14 is hydrogen, halogen, cyano, alkyl, alkylthio or alkoxy.

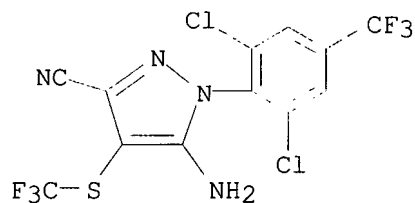
The invention further describes processes to make the compounds, compositions of the compounds, and methods of use of the compounds for the control of arthropods (mites, aphids or insects), nematodes, helminths, or protozoa.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

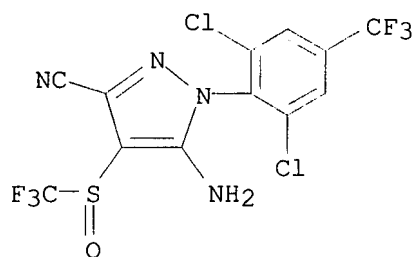
IT 120067-83-6 120068-37-3

(pesticidal 1-aryl-5-(substituted alkylideneimino)pyrazoles)

RN 120067-83-6 USPATFULL
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



RN 120068-37-3 USPATFULL
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



=> D L57 BIB ABS HITSTR 4

L57 ANSWER 4 OF 9 USPATFULL
AN 94:51427 USPATFULL
TI Pesticidal 1-aryl-5-(substituted N-cinnamylideneimino) pyrazoles
IN Huang, Jamin, Chapel Hill, NC, United States
Manning, David T., Cary, NC, United States
PA Rhone-Poulenc Inc., Research Triangle Park, NC, United States
(U.S. corporation)
PI US 5321040 940614
AI US 93-144262 931028 (8)
RLI Continuation of Ser. No. US 93-71163, filed on 2 Jun 1993, now
abandoned
DT Utility
EXNAM Primary Examiner: Ramsuer, Robert W.
LREP Passe, James G.
CLMN Number of Claims: 49
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2028
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention describes novel 1-aryl-5-(substituted
alkylideneimino)pyrazoles of formula (I) ##STR1## processes to
make the compounds, compositions of the compounds, and methods of
use of the compounds for the control of arthropods (mites, aphids
or insects), nematodes, helminths, or protozoa.

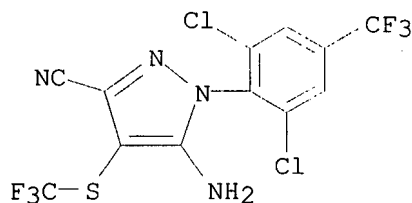
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **120067-83-6**

(reaction of, with cinnamaldehyde and its derivs.)

RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-
(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA
INDEX NAME)



=> D L57 BIB ABS HITSTR 5

L57 ANSWER 5 OF 9 USPATFULL

AN 93:67639 USPATFULL

TI Pesticidal 1-aryl-5-(substituted alkylideneimino)pyrazoles

IN Huang, Jamin, Chapel Hill, NC, United States

Ayad, Hafez M., Cary, NC, United States

Timmons, Philip R., Durham, NC, United States

PA Rhone-Poulenc Inc., Research Triangle Park, NC, United States
(U.S. corporation)

PI US 5236938 930817

AI US 91-693580 910430 (7)

DT Utility

EXNAM Primary Examiner: Ivy, C. Warren; Assistant Examiner: Owens, A. A.

LREP Passe, James G.

CLMN Number of Claims: 14

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2225

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes novel 1-aryl-5-(substituted
alkylideneimino)pyrazoles of formula (I) ##STR1## wherein
typically preferred substituents are: R.sup.1 is cyano, nitro, or
halogen;

R.sup.2 is R.sup.9 S(O).sub.n in which n is 0, 1 or 2 and R.sup.9
is alkyl, preferably methyl which is substituted by halogen atoms
which are the same or different up to full substitution of the
alkyl moiety;

R.sup.3 is hydrogen or alkyl;

R.sup.4 is phenyl or heteroaryl, optionally substituted by one or
more hydroxy, halogen, alkoxy, alkylthio, cyano or alkyl or
combinations thereof;

R.sup.5 is hydrogen, alkyl or halogen;

R.sup.6 and R.sup.8 are hydrogen;

R.sup.7 is halogen, alkyl, haloalkyl or haloalkoxy; and

X is a nitrogen atom or CR.sup.14 in which R.sup.14 is hydrogen,
halogen, cyano, alkyl, alkylthio or alkoxy.

The invention further describes processes to make the compounds,
compositions of the compounds, and methods of use of the compounds
for the control of arthropods (mites, aphids or insects),
nematodes, helminths, or protozoa.

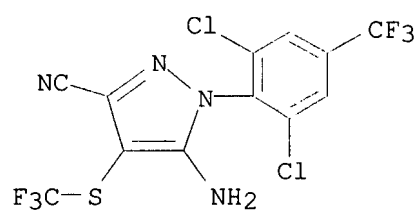
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 120067-83-6 120068-37-3

(reaction of, in prepn. of pesticide)

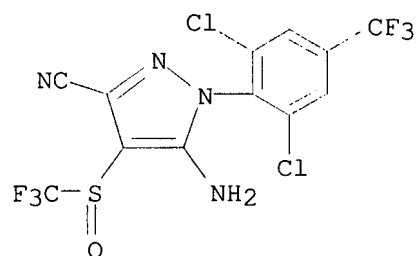
RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-
(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA
INDEX NAME)



RN 120068-37-3 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



=> D L57 BIB ABS HITSTR 6

L57 ANSWER 6 OF 9 USPATFULL

AN 93:63185 USPATFULL

TI Derivatives of N-phenylpyrazoles

IN Hatton, Leslie R., c/o May & Baker Limited, Dagenham, Essex RM10
7XS, England

Buntain, Ian G., c/o May & Baker Limited, Dagenham, Essex RM10
7XS, England

Hawkins, David W., c/o May & Baker Limited, Dagenham, Essex RM10
7XS, England

Parnell, Edgar W., c/o May & Baker Limited, Dagenham, Essex RM10
7XS, England

Pearson, Christopher J., c/o May & Baker Limited, Dagenham, Essex
RM10 7XS, England

Roberts, David A., c/o May & Baker Limited, Dagenham, Essex RM10
7XS, England

PI US 5232940 930803

AI US 90-520290 900507 (7)

RLI Continuation-in-part of Ser. No. US 89-445153, filed on 5 Dec
1989, now abandoned And a continuation of Ser. No. US 89-380333,
filed on 17 Jul 1989, now abandoned And a continuation of Ser.
No. US 89-413134, filed on 27 Sep 1989, now abandoned which is a
continuation of Ser. No. US 88-205238, filed on 10 Jun 1988, now
abandoned, said Ser. No. 445153 which is a continuation of
Ser. No. US 86-943132, filed on 18 Dec 1986, now abandoned, said
Ser. No. 380333 which is a continuation of Ser. No. US
88-205299, filed on 10 Jun 1988, now abandoned

PRAI GB 85-31485 851220

GB 87-13768 870612

GB 87-13769 870612

DT Utility

EXNAM Primary Examiner: Lee, Mary C.; Assistant Examiner: McKane, Joseph
K.

LREP Burns, Doane, Swecker & Mathis

CLMN Number of Claims: 75

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 7662

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB N-Phenylpyrazole derivatives of the formula: ##STR1## wherein
R.sup.1 represents cyano, nitro, halogen, acetyl or formyl;

R.sup.2 represents R.sup.5 SO.sub.2, R.sup.5 SO or R.sup.5 S in
which R.sup.5 is optionally halogen substituted alkyl, alkenyl or
alkynyl;

R.sup.3 represents a hydrogen atom or a group NR.sup.6 R.sup.7
wherein R.sup.6 and R.sup.7 each represent hydrogen, alkyl,
alkenylalkyl, alkynylalkyl, formyl, optionally halogen substituted
alkanoyl, optionally halogen substituted alkoxy carbonyl, or
alkoxymethyleneamino, halogen, or R.sup.6 and R.sup.7 together
form a cyclic imide and R.sup.4 represents a substituted phenyl
group possess arthropodocidal, plant nematocidal, anthelmintic and
anti-protozoal properties; their preparation, compositions
containing them and their use are described.

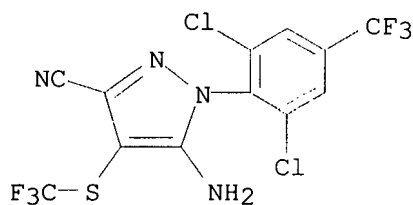
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 120067-83-6P 120068-36-2P 120068-37-3P

(prepn. of, as arthropodicide, nematocide, and anthelmintic)

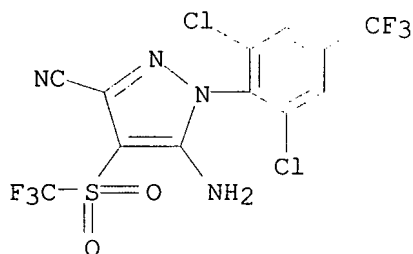
RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



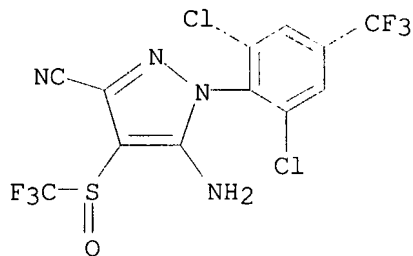
RN 120068-36-2 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 120068-37-3 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



=> D L57 BIB ABS HITSTR 7

L57 ANSWER 7 OF 9 USPATFULL
AN 93:1400 USPATFULL
TI N-phenylpyrazole derivatives
IN Roberts, David A., London, England
Hawkins, David W., Essex, England
Buntain, Ian G., Essex, England
McGuire, Ross, Ongar Essex, England
PA Rhone-Poulenc Agriculture Ltd., Essex, England (non-U.S.
corporation)
PI US 5177100 930105
AI US 92-822857 920121 (7)
RLI Division of Ser. No. US 90-539566, filed on 18 Jun 1990, now
patented, Pat. No. US 5104994
PRAI GB 89-13866 890616
DT Utility
EXNAM Primary Examiner: Lee, Mary C.; Assistant Examiner: McKane, Joseph
K.
LREP Burns, Doane, Swecker & Mathis
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides N-phenylpyrazole derivatives of the
formula: ##STR1## wherein R.sup.1 represents alkyl optionally
substituted by halogen, R.sup.2 represents an optionally
substituted aryl or aralkyl group, R.sup.3 represents a phenyl
group substituted in the 2-position by halogen; in the 4-position
by optionally halo substituted alkyl or alkoxy; and optionally in
the 6-position by halogen; and m and n are independently 0, 1 or
2; which are active against arthropod, plant nematode, helminth
and protozoal **pests**.

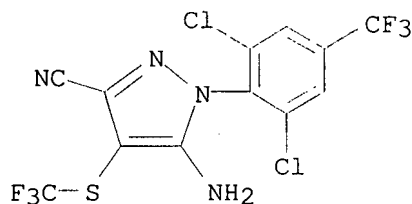
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 120067-83-6

(phenylthiolation of, in prepn. of pesticides)

RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-
(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA
INDEX NAME)



=> D L57 BIB ABS HITSTR 8

L57 ANSWER 8 OF 9 USPATFULL

AN 92:29811 USPATFULL

TI N-phenylpyrazole derivatives

IN Roberts, David A., London, England

Hawkins, David W., Essex, England

Buntain, Ian G., Essex, England

McGuire, Ross, Ongar Essex, England

PA Rhone-Poulenc Agriculture Ltd., Essex, England (non-U.S. corporation)

PI US 5104994 920414

AI US 90-539566 900618 (7)

PRAI GB 89-13866 890616

DT Utility

EXNAM Primary Examiner: Lee, Mary C.; Assistant Examiner: McKane, Joseph K.

LREP Burns, Doane, Swecker & Mathis

CLMN Number of Claims: 7

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 818

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides N-phenylpyrazole derivatives of the formula: ##STR1## wherein R.sup.1 represents alkyl optionally substituted by halogen, R.sup.2 represents an optionally substituted aryl or aralkyl group, R.sup.3 represents a phenyl group substituted in the 2-position by halogen; in the 4-position by optionally halo substituted alkyl or alkoxy; and optionally in the 6-position by halogen; and m and n are independently 0, 1 or 2; which are active against arthropod, plant nematode, helminth and protozoal **pests**.

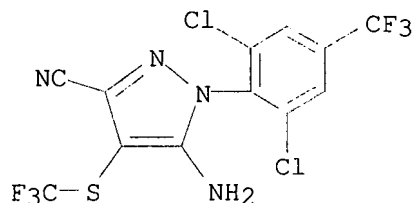
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 120067-83-6

(phenylthiolation of, in prepn. of pesticides)

RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



=> D L57 BIB ABS HITSTR 9

L57 ANSWER 9 OF 9 USPATFULL

AN 90:79904 USPATFULL

TI Derivatives of N-phenylpyrazoles, compositions and use

IN Buntain, Ian G., Chelmsford, England

Hatton, Leslie R., Chelmsford, England

Hawkins, David W., Upminster, England

Pearson, Christopher J., Hertford, England

Roberts, David A., Mill Hill, England

PA May & Baker Ltd., Dagenham, England (non-U.S. corporation)

PI US 4963575 901016

AI US 89-379982 890714 (7)

PRAI GB 88-16915 880715

DT Utility

EXNAM Primary Examiner: Ramsuer, Robert W.

LREP Burns, Doane, Swecker & Mathis

CLMN Number of Claims: 9

ECL Exemplary Claim: 1,8

DRWN No Drawings

LN.CNT 1341

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An N-phenylpyrazole derivative of the formula: ##STR1## wherein
R.sup.1 represents cyano, nitro or halogen;

R.sup.2 represents a group R.sup.5 SO.sub.2, R.sup.5 SO, or
R.sup.5 S in which R.sup.5 represents alkyl, alkenyl or alkynyl
unsubstituted or substituted by halogen;

R.sup.3 represents azido or hydrazino, or pyrrol-1-yl,
pyrazol-1-yl, imidazol-1-yl, 1,2,4-triazol-4-yl,
1,2,4-triazol-1-yl, 1,2,3-triazol-1-yl, 1,2,3-triazol-2-yl,
piperidino, pyrrolidino, morpholino or N-alkylpiperazino, which
may be substituted by alkyl or phenyl; and

R.sup.4 represents phenyl substituted in the 2-position by
fluorine, chlorine, bromine or iodine;

in the 4-position by alkyl or alkoxy unsubstituted or substituted
by halogen, or fluorine, chlorine, bromine or iodine; and
unsubstituted or substituted in the 6-position by fluorine,
chlorine, bromine or iodine and pesticidally acceptable acid
addition salts thereof possess arthropodocidal, nematocidal,
anthelmintic and anti-protozoal activity.

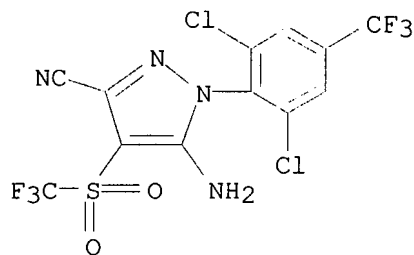
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 120068-36-2P

(prepn. and diazotization-bromination of)

RN 120068-36-2 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-
(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfonyl]- (9CI) (CA
INDEX NAME)

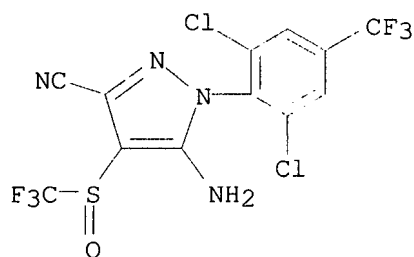


IT 120068-37-3P

(prepn. of, as intermediate for arthropodicide, plant
neumatocide, anthelmintic, and protozoacide)

RN 120068-37-3 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-
(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA
INDEX NAME)



IT 120067-83-6P

(prepn. of, as intermediate for drug and agrochem.)

RN 120067-83-6 USPATFULL

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-
(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]- (9CI) (CA
INDEX NAME)

